

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gary A. Clawson Art Unit : Unknown  
Serial No. : 10/552,914 Examiner : Unknown  
Filed : October 13, 2005  
Title : RNA INTERFERENCE COMPOSITIONS AND METHODS

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P.O. Box 1450  
Alexandria, VA 22313-1450

POWER OF ATTORNEY BY ASSIGNEE AND ELECTION OF  
ASSIGNEE TO CONDUCT PROSECUTION TO EXCLUSION OF INVENTORS

The undersigned, as authorized representative of the assignee of the entire right, title and interest in the above-identified application, hereby appoints

Janis K. Fraser, Ph.D., J.D., Reg. No. 34,819      Dorothy P. Whelan, Reg. No. 33,814  
Richard J. Anderson, Reg. No. 36,732      Ronald C. Lundquist, Ph.D., Reg. No. 37,875  
J. Patrick Finn III, Ph.D., Reg. No. 44,109      Teresa A. Lavoie, Ph.D., Reg. No. 42,782  
Mark S. Ellinger, Ph.D., Reg. No. 34,812      M. Angela Parsons, Ph.D., Reg. No. 44,282  
John F. Hayden, Reg. No. 37,460      Elizabeth N. Kaytor, Ph.D., Reg. No. 53,103

as its attorney to prosecute the application and to transact all business in the Patent and Trademark Office connected therewith with full powers of substitution and revocation, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 CFR §3.71 *et seq.* of the Patent Office Rules of Practice.

Ownership is in the assignee by virtue of the assignment documents (copy attached). The documents evidencing ownership have been reviewed and to the best of the assignee's knowledge and belief, title is in the assignee.

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

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March 22, 2006

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**Date of Deposit**

Applicant : Gary A. Clawson  
Serial No. : 10/552,914  
Filed : October 13, 2005  
Page : 2 of 2

Attorney's Docket No.: 14017-009US1 / 2002-2669

Please direct all communications regarding the application to the attorney at the address and telephone numbers indicated below.

Janis K. Fraser, Ph.D., J.D.  
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Signature: Ronald J. Huss Date: March 16, 2006  
Typed name: Ronald J. Huss  
Title: Director Intellectual Property Office  
Assignee: The Penn State Research Foundation

ASSIGNMENT

For valuable consideration, I, Gary A. Clawson, of 5709 Rockmere Drive, Bethesda, Maryland 20816; Wei-Hua Pan, of 907 Butler Court, Hummelstown, Pennsylvania 17036; Ping Xin, of 907 Butler Court, Hummelstown, Pennsylvania 17036; hereby assign to THE PENN STATE RESEARCH FOUNDATION, a corporation of Commonwealth of Pennsylvania, having a place of business at 304 Old Main Street, University Park, Pennsylvania 16802, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled RNA INTERFERENCE COMPOSITIONS AND METHODS, filed October 13, 2005, and assigned U.S. Serial Number 10/552,914 this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 1-19-04

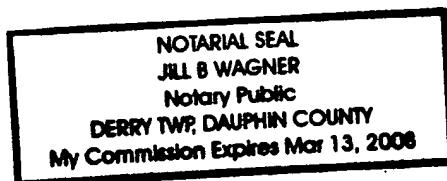
Gary A. Clawson  
GARY A. CLAWSON

STATE OF Pennsylvania )  
COUNTY OF Dauphin ) SS.

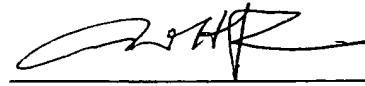
On January 19, 2006, before me, the undersigned, a notary public for the State of Pennsylvania, there personally appeared GARY A. CLAWSON personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Jill B Wagner  
Notary Public



DATE: 1-19-06

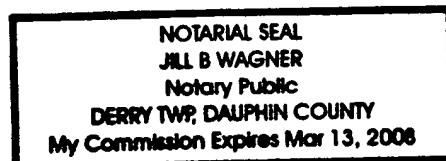
  
WEI-HUA PAN

STATE OF Pennsylvania )  
COUNTY OF Dauphin ) SS.

On January 19, 2006, before me, the undersigned, a notary public for the State of Pennsylvania, there personally appeared WEI-HUA PAN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his/her authorized capacity and that by his/her signature on this Assignment, the person or the entity upon behalf of which s/he acted, executed this Assignment.

WITNESS my hand and official seal.

  
Notary Public



DATE: 1-19-06

Ping Xin  
PING XIN

STATE OF Pennsylvania )  
COUNTY OF Dauphin ) SS.

On January 19, 2006, before me, the undersigned, a notary public for the State of Pennsylvania, there personally appeared PING XIN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his/her authorized capacity and that by his/her signature on this Assignment, the person or the entity upon behalf of which s/he acted, executed this Assignment.

WITNESS my hand and official seal.

Jill B Wagner  
Notary Public

